EN English

Professional Digital Battery Pack

NERO S

HECBOX

User Manual

EN English

Battery Pack Operating Instructions

Before operating the unit, please read this manual thoroughly and save it for future reference.

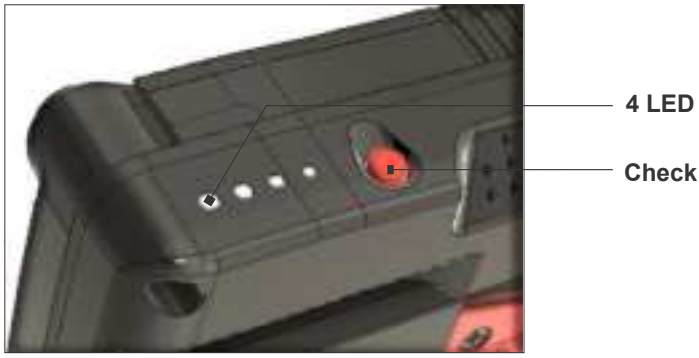
Important Safety Instructions
• If the battery pack is mishandled, the battery pack can burst, cause a fire or even chemical burns.
• Observe the following cautions:
• Do not disassemble.
• Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it.
• Do not short circuit and do not allow metal objects to come into contact with the battery terminals.
• Do not expose to temperatures higher than 60°C (140°F) direct sunlight or in car parked in the sun.
• Do not incinerate or dispose of in fire.
• Do not handle damaged or leaking lithium ion batteries.
• Be sure to charge the battery pack using a genuine Hedbox battery charger or a device that can charge the battery pack.
•Keep the battery pack out of the reach of small children.
• Keep the battery pack dry.
• Replace only with the same or equivalent type recommended by Hedbox.
• Dispose of used battery packs according to the instructions.
• Do not use this battery pack near water.
• Clean only with a dry cloth.
• Do not install near any heat sources such as radiators, heat registers, or appliances that produce heat.
• Only use attachments/accessories specified by the manufacturer.
• Unplug this battery from the supply unit during thunderstorms or when unused for long periods.
• Refer all servicing to qualified service personnel. Servicing is required when the battery pack has been damaged in any way, such as power plug damage, liquid spill or dirt in the battery pack, the battery has been exposed to rain or moisture, does not operate normally, or has been dropped.

Overview / Features
This battery pack uses Lithium-Ion battery cells.
Use the battery pack only with equipment whose operating instructions recommend its use.

Charging the battery pack
• You don’t have to discharge the battery pack before recharging.
• Charging while some capacity remains does not affect the original battery capacity.
• To charge the battery efficiently, fully charge it in an ambient temperature of 10 °C -30 °C (50 °F - 86 °F).
• The battery pack discharges naturally over time. To extend battery life, it is recommended that you fully charge the battery pack before using it.
• The battery pack may become warm while used or being charged. This is normal. Battery pack performance decreases in low-temperature surroundings.
• To conserve battery power, we recommend that you keep the battery pack dry and warm, and only insert it in your electronic device just before use.
• If the power goes off even though the remaining battery time shows that it has enough power to operate, charge the battery pack fully again so that the correct remaining battery time is shown. Note that the remaining battery time is sometimes not restored if used in high temperatures for a long time or left in a fully charged state, or if the battery pack is frequently used. Also regard that the remaining battery time is shown as the approximate recording time.

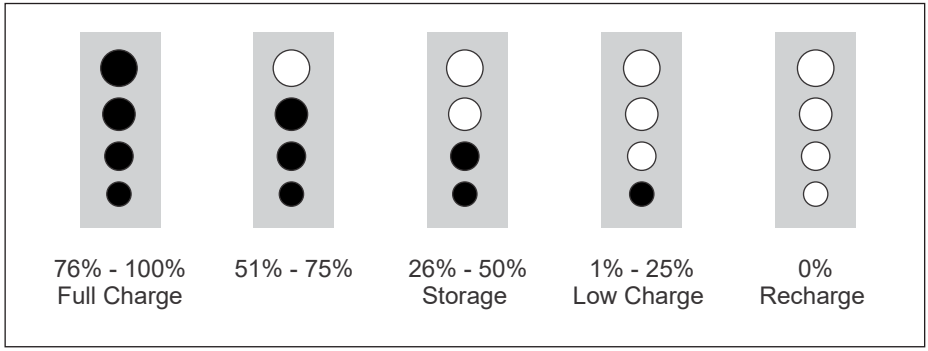
WARNING
• Battery pack shouldn’t be exposed to excessive heat such as sunshine, fire, etc.

Capacity Meter - LED Indicator



Testing the capacity of the battery pack:

• A four-step Blue LED display indicates the remaining capacity.
• Press the Test / Check button, and the remaining capacity of the battery pack will be shown on four-step LED display.



• If the Battery Pack is instilled on the Camcorder with the function of powering the camera, the four-step LED Capacity Display may not show the exact capacity status of the battery pack.

• When only one (0%) LED indicates, please recharge the battery immediately.

D-Tap 14.8V, 8A Power Output

- Dual D-TAP DC Output socket can be used as 14.4V DC output or DC charging input.
- Open the rubber protective cover with the D-TAP sign on it.
- Plug in one D-Tap lead for DC output or battery charging.
- To keep the D-Tap socket away from dust, close the output with a rubber protective cover
- The maximum constant current the Battery can provide during DC14.8V Power Output is 7A

USB 5V, 1A / 5W Power Output

To use the USB-A 5V,1A / 5W Power Output for charging mobile phones and all other units on USB.

• Open the rubber protective cover with a USB sign on it.

• Plug in the USB lead and connect to the device you want to charge.

• Press the CHECK Button for 3 seconds to switch/power on the USB charging.

• To keep the USB socket away from dust, close the USB output with a rubber protective cover.

Caution on Use

CAUTION:
• Never short-circuit the battery pack terminals.
• Never attempt to open the battery pack.
• Avoid mechanical shock.
• Never expose the battery pack to rain or moisture.
• Keep away from children.
• Never expose the battery pack to temperatures above 60°C (140°F)
• Please consult the store where you purchased this battery pack or your sales representative before using the battery pack in a product whose Operation Manual/Operating Instruction does not explicitly state that the battery pack can be used, or before using the battery pack in conjunction with another power supply. Inappropriate use of the battery pack may result in unit misoperation.
• The internal impedance of the battery pack increases as the temperature drops to 5°C (41°F) or below. This may result in a shorter operating time or the failure of the component to which it is connected to. This occurs more frequently in battery packs that have been charged many times than in new ones.
• The performance and operating time of the battery may drop under cold conditions.
• Charge the battery pack only with the HEDBOX charger model or any other model dedicated to this type of battery within a temperature range of 10°C to 30°C (50°F to 86°F).
• A large discharge amount may accelerate the deterioration of the battery pack's internal cells. To prevent this, use the battery pack with a discharger amount of about 3 A or less.
• The maximum discharge amount is 3.5 A for this model of battery at 23°C (73°F). Continuous use at levels beyond the maximum discharge level may cause the protection circuit to shut off the current to protect the internal cells.

How to store the battery pack
• Store the battery pack in temperatures between 0°C to 23°C (32°F to 73°F).
• If the battery pack is to be stored for a short period (approximately more than 24 hours and a month or less), discharge it to 90% of its total capacity to prevent deterioration of its internal cells.
• When storing the battery pack for an extended period (more than a month) it is recommended to discharge it to about 50% of its full capacity. (The two LEDs light up)
While the battery pack is stored, charge it until the capacity reaches 50% once every six months.
• If the battery pack terminals become dirty or dusty, clean them with a soft cloth.

Dispose of Battery Pack
• This product with CE marking complies with the EMC Directive issued by the Commission.
By ensuring that these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. To ensure that the battery will be treated properly, hand over the product at the end of its life to the applicable collection point for the recycling of electrical and electronic equipment.
• Hand the battery over to the applicable collection point for the recycling of waste batteries.
• For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

To the purchasers of the battery pack

• This Lithium-Ion Battery Pack can be transported as a non-hazardous lithium-ion battery. Related laws and regulations are, however, subject to change. For detailed conditions regarding the transport of battery packs, please consult your chosen air transport company.

Battery life

• Battery life may be shortened due to storage or operation in high temperatures, storage when in full capacity, and frequent use.
• Replace the battery pack when the operating time with a completely charged battery pack becomes noticeably short or all LEDs flash because the self-diagnostics function has detected the end of battery life.
• If a Battery pack is deteriorated, not all LEDs will light when the CHECK button is pressed just after charging is completed.

Self-diagnostic function

• When an abnormality is detected, all the LEDs will flash. If this happens, stop using the battery pack immediately. Once the LEDs start flashing, the battery pack cannot be recharged.
If you can't charge the battery:

If you canot charge the battery pack

• The first time you try to recharge this battery, the charger doesn't respond to charging operation. If this happens, remove the battery from the battery charger and then reconnect it.
- The battery has been left for a long time
- The battery has been left in the camera for a long time
- Immediately after purchase
• If the charging operation fails for the second time, there may be a fault with the battery or the battery charger. Stop using them and contact your Hedbox dealer.

Battery life

• The battery life is limited. If the remaining battery time is considerably shortened, the battery pack is reaching the end of its life. Replace with a new one. The battery life varies in each battery pack according to the storage, operating conditions and environment.

European standards:

• EN55103-1: Electromagnetic Interference (Emission)
• EN55103-2: Electromagnetic Susceptibility (Immunity)

This product is intended for use in the following Electromagnetic Environments:

E1 (residential),
E2 (commercial and light industrial),
E3 (urban outdoors),
E4 (controlled EMC environment, ex. TV studio).

• Once the protection circuit activates, the battery pack will not automatically return to normal operational status. To cancel the effect of the protection circuit, you must charge the battery pack with a charger dedicated to the lithium-ion battery pack.

Specification

Battery Pack Type:	Lithium-ion Battery
Mount Type:	V-lock / Aluminium Alloy
Power Meter:	4 - LED
Internal Battery Cells	18650 x 8
Output Voltage:	V 14.8 DC
Minimum Out Volatge:	V 10.0 DC
Max. Constant Output	**10A / 145W** (Max)
Battery Capacity:	98 Wh / 6700mAh
USB Output:	5V, 12W / 2.4A (max)
D-Tap Output:	14.8V,100W / 6.8A (max)
Internal Construction:	Cells Framing Construction System
Charging On:	HED-DC150 , HED-DC10 , RP-DC200
Temperature:	–20°C to +45°C (–4°F to +113°F)
Mount material:	Aluminum Alloy
Dimensions (W/H/D)	152 x 96 x 41 mm | 5.98 x 3.78 x 1.61"
Net Weight:	560 g | 1.23 lb

No compensation for contents of the recording

• The content of the recording cannot be compensated if shooting or reproduction are not possible due to a malfunction of the battery pack or other devices.

• Design and specifications are subject to change without notice.

If you want to know more about HEDBOX Products please visit our website: **www.hedbox.com**

Note:
Always ensure that the unit is operating properly before use.
HEDBOX WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER

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